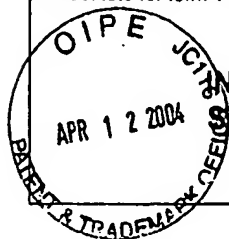


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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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**Complete if Known**

Application Number	10/729,645
Filing Date	December 4, 2003
First Named Inventor	David John Kucera
Art Unit	To be assigned 1626
Examiner Name	To be assigned M. BAZKER
Attorney Docket Number	PC019082B / AG 0113-02

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	Cite No. <sup>1</sup>	DOCUMENT NUMBER	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup>			
MB	AA	5629406	05-13-1997	Sankyo Company, Limited	
MB	AB	5,644,028	07-01-1997	Japan Energy Corporation	
MB	AC	2002049165	04-25-2002	Tsutomu Mimonto, et al	
MB	AD	6313094	11-06-2001	Japan Energy Corporation	
MB	AE	6329502	12-11-2001	Japan Energy Corporation	
MB	AF	5962640	10-05-1999	Kato, et. al.	
MB	AG	6222043	04-24-2001	Japan Energy Corporation	
MB	AH	5932550	08-03-1999	Kato, et. al.	

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
MB	AI	EP 0574135A	12-15-1993	Mimoto, et al		
MB	AJ	(English Abstract) JP 8259532	10-08-1996	Japan Energy Corp.		
MB	AK	CA 2,179,935	12-31-1996	KATO, ET AL		
MB	AL	AU 705193	02-06-1997	Japan Energy Corporation		
MB	AM	JP 10-867489	04-07-1998	Yabe, et al		X
MB	AN	(English Abstract) JP 10101654	04-21-1998	Japan Energy Corp.		

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Examiner Name	To be assigned M. BARKER
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MB	AO	WO 2002100844	12-19-2002	Agouron Pharmaceuticals, Inc.		
MB	AP	(English Abstract) JP 2003119137	04-23-2003	Nakamura, et al		
MB	AQ	WO 03/035076	05-01-2003	Di Francesco, et al		
MB	AR	(English Abstract) WO 03/035650 A1	05-01-2003	Kawano, et al		
MB	AS	WO 03/049690	06-19-2003	Walker, et al		
MB	AT	WO 03/062238	07-31-2003	Tarby, et al		
MB	AU	WO 03/062204	07-31-2003	Egbertso, et al		
MB	AV	(English Abstract) WO 03/047564	12-06-2003	Mu-Rai, et al		
MB	AW	WO 2002 100845	12/19/2002	Agouron Pharmaceuticals, Inc.		
MB	AX	EP 0751145 A2	06-28-1996	Japan Energy Corp.		
MB	AY	EP 0490667	06-17-1992	Japan Energy Corp.		
MB	AZ	WO 93/13066	07-08-1993	Syntex		
MB	BA	EP 0498680	08-12-1992	Sankyo Company Ltd.		
MB	BB	EP 0706794	04-17-1996			

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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MB	BC	ANDRÉS, "Stereoselective Cyanation Of Chiral $\alpha$ -Amino Aldehydes By Reaction With Nagata's Reagent: A Route To Enantiopure $\beta$ -Amino- $\alpha$ -Hydroxy Acids," <i>Tetrahedron Asymm.</i> , 2001, pp. 347-353, vol. 12.
MB	BD	BLANCO, M. et al., "Enantiospecific And Stereoselective Synthesis Of Polyhydroxylated Pyrrolidines And Indolizidines From <i>Trans</i> -4-Hydroxy-L-Proline," <i>J. Org. Chem.</i> 1996, pp. 4748-4755, vol. 61.
MB	BE	HUMPHREY, J. et al., "Chemical Synthesis Of Natural Product Peptides: Coupling Methods For The Incorporation Of Noncoded Amino Acids Into Peptides," <i>Chemical Reviews</i> , 1997, 2243-2266 vol. 97.
MB	BF	IKUNAKA, et. al., "A Concise Synthesis of (2S,3S)-BocAHPBA and @-BocDMTA, Chiral Building Blocks for Peptide-Mimetic HIV Protease Inhibitors," <i>Tetrahedron Asymmetry</i> , 2002, Vol. 13, 1201.
MB	BG	JACQUES, et al., <i>Enantiomers, Racemates, and Resolutions</i> , 1981, John Wiley & Sons, New York.
MB	BH	LAROCK, et al., <i>Comprehensive Organic Transformations</i> , 1989, Chapter 9, New York
MB	BI	SASAI, H., et al., "Diastereoselective Catalytic Asymmetric Nitroaldol Reaction Utilizing Rare Earth-Li-(R)-BINOL Complex. A Highly Efficient Synthesis Of Norstatine," <i>Tetrahedron Letters</i> , 1994, pp. 6123-6126, vol. 35, no. 33.
MB	BJ	SHARMA, R. et al., "Regioselective Enolization And Alkylation Of 4-Oxo-N-(9-Phenylfluoren-9-yl)Proline: Synthesis Of Enantiopure Proline-Valine And Hydroxyproline-Valine Chimeras," <i>J. Org Chem.</i> 1996, pp. 202-209, vol. 61.
MB	BK	SUSTMANN, et al., <i>Comprehensive Organic Synthesis</i> , 1991, Vol. 6, 301-434, Trost.
MB	BL	BELL, et al., "Development of Orally Active Oxytocin Antagonists: on 1-(1-[4-[1-2- Methyl-1-oxidophyridin-3-ylmethyl]piperidin-4-yloxy]-2-methoxybenzoyl)peperidin-5-yl)-1-4-dihydrobenz[d][1,3]oxazin-2-one (L-372,662) and Related Pyridines," <i>Journal of Medicinal Chemistry</i> , 1998, 2146-2163, Vol 41.
MB	BM	YOSHIAKI, Patent Abstracts of Japan, Publication No. 10182601, 1998, No. 12.
MB	BN	SHEHA, et al., <i>Euro J. Med. Chem.</i> , 2000, 887-894, Vol. 35, No. 10.

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Application Number	10/729,645
Filing Date	December 4, 2003
First Named Inventor	David John Kucera
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	PC019082B / AG 0113-02

mb	BO	KITZAKI, et al., <i>Chem &amp; Pharm. Bulletin</i> , Pharm. Soc. Of Japan, 1994, 2636-2640, Vol. 42, No. 12.
mb	BP	SLEE, et al., <i>J.A.C.S.</i> , 1995, 11867-11878, Vol., 117, No. 48.
mb	BQ	KOMAI, et al., <i>Biorg. Med. Chem.</i> , 1996, 1356-1377, Volo. 4, No. 8.
mb	BR	KISO., et al., <i>Arch. Pharm.</i> , Pharm. Med. Chem., 1998, 87-89, Vol. 331.
mb	BS	MATSUMOTO, et al., <i>Biorg. Med. Chem.</i> , 2001, 417-430, Vol. 9, No. 2.
mb	BT	TAM, et. al., <i>J. Med. Chem.</i> , 1992, 1318-1320, Vol. 35, No. 7.
mb	BU	VAN-DUC LE, et. al., "Structure-Activity of FIV and HIV Protease Inhibitors Containing Allophenylnorstatine," <i>Biorg. Med. Chem.</i> , 2001, 1185-1195, Vol. 9.
mb	BV	MIMOTO, et al., "Structure-Activity Relationship of Orally Potent Tripeptide-Based HIV Protease Inhibitors containing Hydroxymethyl Carbonyl Isotease," <i>Chem &amp; Pharm. Bulletin</i> , Pharm Soc. Of Japan, 2000, 1310-1326, Vol. 48, No. 9.
mb	BW	SODERGREN, et. al., "Allylic Alcohols Via Catalytic Asymmetric Epoxide Rearrangement," <i>J. Am. Chem. Soc.</i> , 2000, 6610-6018, Vol. 122, No. 28.
mb	BX	FALORNI, et. al., "Optically Active 4-Oxaproline Derivatives: New Useful Chiral Lsynthons Derived from Serine and Threonine," <i>Tetrahedron: Asymmetry</i> , 1995, 287294, Vol. 6, No. 1.
mb	BY	BOBBITT, et. al., "Synthesis of Isoquinoline Alkaloids. II. The synthesis and Reactions of 4-Methyl-3-pyridinecarboxaldehyde and Other 4-methyl-3-substituted Pyridines," <i>J. Org. Chem.</i> , 1959, 560, Vol. 25.
mb	BZ	BUNDGAARD, <i>Design of Prodrugs</i> , 1985.
mb	CA	CARLSEN, et. al., "Thermolysis of N-Allylic 1,2,4-Triazoles," <i>Institute of Organic Chemistry</i> , 1997, 797-805, Vol. 34.

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MB	CB	CHARLESWORTH, et. al., "Phthalide Formation," <i>Can. J. Chem.</i> , 1963, 1071-1077, Vol. 41.
MB	CC	DEMANGE, et. al., "Practical Synthesis of Boc and Fmoc Protected 4-Fluoro and 4-Difluoroproline from <i>Trans</i> -4-Hydroxyproline," <i>Tetrahedron Letters</i> , 1998, 1169-1172, Vol. 39.
MB	CD	DONDONI, et. al., "Total Synthesis of (+)-Galactostatin. An Illustration of the Utility of the Thizole-Aldehyde Synthesis," <i>J. Org. Chem.</i> , 1995, 4749-4754, Vol. 60.
MB	CE	Enantiomers, Racemates, and Resolutions, 1991.
MB	CF	FUJIWARA, et. al., "Orientation in Nitration and Sulfonation of 2,5-Dimethylbenzoic Acid," <i>Can. J. Chem.</i> , 1970, 1346-1349, Vol. 48.
MB	CG	HARADA, et. al., "Synthesis and Resolution of -N-[1-methyl-4(3-methylbenzyl)hexahydro-1H-1,4-diazepin-6-yl]-1H-indazole-3-Carboxamide By Preferential Crystallization," <i>Tetrahedron Asymmetry</i> , 1997, 2367-2374, Vol.8, No. 14.
MB	CH	HOLZGRABE, U., "Cer(IV)sulfat-Oxidationen: Intramolekulare Cyclisierung von N-benzyl- $\beta$ -Aminoketonen zu 4-Benzoyl-1,2,3,4-tetrahydro-isochinolinen," <i>Arch. Pharm.</i> 1987, 647-654, Vol. 320.
MB	CI	HUANG, et. al., "The Improved Preparation of 7,8-Dihydro-Quinoline-596H)-One And 6,7-Dihydro-5H-1-Pyridin-5-One," <i>Synthetic Communications</i> , 1998, 1197-1200, Vol. 28, No. 7.
MB	CJ	HURSTHOUSE, et. al., "Reactions of Ethyl 2-acetyl-2-azabicyclo[2.2.1]Hept-5-ene-3-Carboxylate and 4-acetyl-amino-2-oxabicyclo[3.3.0]oct-7-en-3-one With Some Electrophiles," <i>J. Chem. Soc.</i> , 1995, 2419-2425, Vol. 1.
MB	CK	KARANEWSKY, et. al., "Phosphinyloxy)acyl Amino Acid Inhibitors of Angiotensin Converting Enzyme," <i>J. Med. Chem.</i> , 1990, 1459-1469, Vol. 33.
MB	CL	LUDEMAN, et. al., "Synthesis and Antitumor Activity of Cyclophosphamide Analogs. 1. Benzo Annulated Cyclophosphamide and Related System," <i>Journal of Medicinal Chemistry</i> , 1975, 1251, Vol. 18, No. 12.
MB	CM	MATAYOSHI, et. al., "Novel Fluorogenic Substrates For Assaying Retroviral Proteases by Resonance Energy Transfer," <i>Science</i> , 1990, 954-958, Vol. 247.
MB	CN	MILLER, et. al., "Preparation of Crystalline Diphenyldiazomethane," <i>J. Org. Chem.</i> , 1958, 560-561, Vol. 24.

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mb	CO	MIMOTO, et. al., "Structure-Activity Relationship of Small-Sized HIV Protease Inhibitors Containing Allophenylnorstatine," <i>J. Med. Chem.</i> , 1999, 1789-1802, Vol. 42.
mb	CP	NAGASAWA, et. al., " $\beta$ -Substituted Cysteines as Sequestering Agents for Ethanol-Derived Acetaldehyde in Vivo," <i>J. Med. Chem.</i> , 1987, 1373, Vol. 30.
mb	CQ	NUSSBAUMER, et. al., "Synthesis and Structure-Activity Relationships of Benzo[b]thienylallylamine Antimycotics," <i>Med. Chem.</i> , 1991, 65-73, Vol. 34.
mb	CR	O'BRIEN, et. al., "Inhibitors of Acyl-CoA:Cholesterol $\gamma$ -Acyl Transferase (ACAT) as Hypocholesterolemic Agents. Incorporation of Amide or Amine Functionalities into a Series of Disubstituted Ureas and Carbamates. Effects on ACAT Inhibition in Vitro and Efficacy In Vivo," <i>J. Med. Chem.</i> , 1994, 1810-1822, Vol. 37.
mb	CS	ONDA, et. al., "Structure of Carzinophilin. II. A New Amino Acid and Its Derivative Form Carzinophilin," <i>Chem. Pharm. Bull.</i> , 1971, 2013-2019, Vol 19, No. 10.
mb	CT	PAUWELS, ET. AL., "rapid and Automated Tetrazolium-Based Colorimetric Assay for the Detection of Anti-HIV Compounds," <i>Journal of Virological Methods</i> , 1988, 309-321, Vol. 20.
mb	CU	PETROPOULOS, et. al., "a novel Phenotypic Drug Susceptibility Assay for Human Immunodeficiency Virus type 1," <i>Antimicrob Agents Chemother</i> , 2000, 920-928, Vol. 44, No. 4.
mb	CV	Protective Groups in Organic Synthesis, 3 <sup>rd</sup> Edition, 1999.
mb	CW	WEISLOW, et. al., "New Soluble-Formazan Assay for HIV-1 Cytopathic Effects: Application to High-Flux for AIDS-Antiviral Activity," <i>Journal of the National Cancer Institute</i> , 1989, 577-586, Vol. 18, No. 8.
mb	CX	WIPF, et. al., "SN <sup>2</sup> '-Reactions of Peptide Aziridines. A Cuprate-Based Approach to (E)-Alkene Isosteres," <i>J. Org. Chem.</i> , 1994, 4875-4886, Vol. 59.
mb	CY	YOSHIMURA, et. al., "JE-2147: A Dipeptide Protease Inhibitor (PI) that Potently Inhibits Multi-PH-Resistant HIV-1," <i>Proc. Natl. Acad. Sci. USA</i> , July 1999, 8675-8680, Vol. 96.

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